IBM ASSIGNMENT 3

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import RPi.GPIO as GPIO import time

import signal import sys

GPIO.setmode(GPIO.BCM) GPIO.setup(20, GPIO.OUT) GPIO.setup(21, GPIO.OUT) GPIO.setup(22, GPIO.OUT)

def allLightsOff(signal, frame): GPIO.output(20, False) GPIO.output(21, False) GPIO.output(22, False) GPIO.cleanup()

sys.exit(0) signal.signal(signal.SIGINT, allLightsOff) while True:

# Red GPIO.output(20, True) time.sleep(2)

# Red and amber GPIO.output(21, True) time.sleep(2)

# Green GPIO.output(20, False) GPIO.output(21, False) GPIO.output(22, True) time.sleep(2)

# Amber GPIO.output(22, False) GPIO.output(21, True) time.sleep(2)

# Amber off (red comes on at top of loop) GPIO.output(21, False)